ABSTRACT

The present invention provides an automotive multimedia entertainment system having an audio system connected to multiple audio input sources and a headphone. The audio system includes front and rear channels that can be configured independently. The headphone is connected to the audio system over a two-way wireless communication link. A set of controls are integrated into the headphone for configuring the audio system across the two-way wireless communication link. The audio system also provides for two modes of operation. In the first mode, both the front and rear speakers generate an audio output according to the first channel. In the second mode the front speakers provide an audio output according to the first channel, the rear speakers are deactivated, and an audio signal is transmitted to the headphones from the second channel of the audio system. In another aspect of the invention, the wireless headphone includes controls mounted on the headphone and which generate control signals across the two-way communication link that adjust the configuration of the radio.